PTO/SB/01 (03-01)

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Attorney D cket Numb r 06437 USA **DECLARATION FOR UTILITY OR** First Named Inv ntor Bing Ji, et al. **DESIGN** PATENT APPLICATION COMPLETE IF KNOWN (37 CFR 1.63) 10/619,922 Application Number Filing Date 15 July 2003 X Declaration Declaration Submitted OR Submitted after Initial Group Art Unit 1765 Filing (surcharge (37 CFR 1.16 (e)) with Initial

Filing

	required)	Examiner Name				
As a below named inventor, I hereby declare that:						
My residence, mailing address, an	d citizenship are as state	ed below next to my nam	θ.			
I believe I am the original, first and names are listed below) of the sub	sole inventor (if only one	e name is listed below) o	or an original, first	and joint inventor	(if plural	
USE OF HYPOFLUORITES						
AGENT IN FLUOROCARBO	•	•				
7.00						
	(Title of th	e Invention)				
the specification of which	(viao or uv	c modulon,				
is attached hereto						
OR						
was filed on (MM/DD/YYYY)	15 July 2003	as United St	ates Application N	Number or PCT In	ternational	
	<u> </u>					
Application Number 10/619,9	and was a	mended on (MM/DD/YY	YY)		(if applicable).	
			<u> </u>		l	
I hereby state that I have reviewed amended by any amendment spec			ified specification	, including the cla	ims, as	
l acknowledge the duty to disclose						
in-part applications, material inform PCT international filing date of the	continuation-in-part app	lication.	,	•	· · · · · · · · · · · · · · · · · · ·	
I hereby claim foreign priority benefits under 35 U.S.C. 119(a)-(d) or (f), or 365(b) of any foreign application(s) for patent, inventor's or plant breeder's rights certificate(s), or 365(a) of any PCT international application which designated at least one country other						
than the United States of America, listed below and have also identified below, by checking the box, any foreign application for patent, inventor's or plant breeder's rights certificate(s), or any PCT international application having a filing date before that of the application on which priority is claimed.						
Prior Foreign Application Number(s)	Country	Foreign Filing Date (MM/DD/YYYY)	Priority Not Claimed	Certified Cop YES	by Attached?	
Additional foreign application	numbers are listed on a	supplemental priority da	ita sheet PTO/SB	/02B attached he	reto:	

[Page 1 of 2]

PETO/SB/01 (10-00)

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DECLARATION — Utility or Design Patent Application

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Address							
City				State		ZIP	
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I hereby declare that all statements mad are believed to be true; and further that made are punishable by fine or imprison validity of the application or any patent is	t these state nment, or bot	ments wei th. under 1	two aham an	the kr	souriedae that will	ful falco etatamanta and the lile	
NAME OF SOLE OR FIRST INV	ENTOR:			A petiti	on has been f	iled for this unsigned inver	ntor
Given Name (first and middle [if any]) Bing	Given Name Family Name :						
Inventor's Signature						21 July, 2003	
Residence: City Allentown			PA State		USA Country	USA Citizenship	
Mailing Address 6736 Windermere	Court						
Mailing Address							
Allentown City	PA State			ZIP	18104	USA Country	
NAME OF SECOND INVENTOR	:			A petit	ion has been f	filed for this unsigned inver	ntor
Given Name (first and middle [it any]) Stephen A	ndrew			Family I			
Inventor's Teple Indrew Wolha Dale Try 03							
Residence: City			State P/	4	USA Country	ÚSA Citizenship	
817 Noble Street Mailing Address							
Mailing Address							
Kutztown City	PA State			ZIP	1953	0 USA Country	
Additional inventors are being named		suppleme			tor(s) sheet(s) P	TO/SB/02A attached hereto.	

PTO/SB/02A (11-00)
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DECLARATION

ADDITIONAL INVENTOR(S)
Supplemental Sheet
Page _ 1 of _ 2

Name of Additional Joint Inventor, if an	y:		A petition has been filed	i for thi	s unsigned inventor		
Given Name (first and middle [if any])		Family Name or Surname				
Rottert George			Syvret				
Inventor's Signature South Suggesti	Mar			(JULY 22, 2003 Date		
Residence: City Allentown	PA State	c	USA country	С	Canada Itizenship		
Mailing Address 1156 Clearwood Drive							
Mailing Address							
City Allentown	State PA		ZIP 18103-5451 C	ountry	, USA		
Name of Additional Joint Inventor, if an	ıy:		A petition has been filed	for this	unsigned inventor		
Given Name (first and middle [if any])		Family Nam	e or Su	ımame		
Peter R.			Badowski				
Inventor's Peter R. Back	lowsk	2			Date 7/17/03		
Residence: City White Haven	PA State		USA Country		USA Citizenship		
Malling Address 100 Towanda Street							
Mailing Address							
White Haven City	PA State		18661 ZIP	Cour	USA ntry		
Name of Additional Joint Inventor, if a	ny:	□ A	petition has been filed t	or this	unsigned inventor		
Given Name (first and middle [if any])		Family N	lame o	r Surname		
Eugene Joseph			Karwacki, J				
Inventor's Signature Segon forest land	1				2003 Date July 2003		
Orefield Residence: City	PA State		USA Country		USA Citizenship		
Mailing Address 5620 Snowdrift Lane							
Mailing Address							
Orefield City	PA State		1806 ZIP		USA ountry		

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DECLARATION

ADDITIONAL INVENTOR(S)
Supplemental Sheet
Page 2 of 2

		_							
Name of Additional Joint Inventor, if an	y:	A petition has been filed for this unsigned inventor							
Given Name (first and middle [if any])	Family Name or Surname								
Howard Paul	Withers, Jr.								
Inventor's Signature Soward Pu	ulh	In	12	. Dr.	Dat	rol7 July 03			
Residence: City Breinigsville	PA State	c	Country	ບ່ອ່	Citiz	USA / enship			
Mailing Address 1441 Klines Mill Road									
Mailing Address									
City Breinigsville	State PA		ZIP	18031 _{Co}	untry	SA			
Name of Additional Joint Inventor, if an	Name of Additional Joint Inventor, if any:				A petition has been filed for this unsigned inventor				
Given Name (first and middle [if any]))			Family Name	or Surna	me			
Ronald Martin Pearlstein									
Inventor's Signature MM Max	Leit	21 July 2003 Date							
Residence: City Macungie	State PA		Country	USA	Cit	USA izenship			
Malling Address 118 Brookfield Drive									
Mailing Address				-					
Macungie City	PA State		ZIP	18062 Cour		USA			
Name of Additional Joint Inventor, if ar	iy:	☐ A petition has been filed for this unsigned inventor							
Given Name (first and middle [if any])		Family Name or Surname							
Inventor's Signature						Date			
Residence: City	Residence: City State			Country Citizenship					
Mailing Address									
Mailing Address	**************************************								
City	State				Count	n/			

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PTO/SB/81 (06-03)

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Į	ired to respond to a collection of infor	mation unless it displays a valid OMB control number.
	Application Number	10/619,922
	Filing Date	15 July 2003
	First Named Inventor	Bing Ji, et al.
	Title	Use of Hypofluorites, Fluoroperoxides
	Art Unit	1765
	Examiner Name	
	Attorney Docket Number	06437 USA

I hereby appoint:					
X Practitioners at Customer Number:	23543				
OR					
Practitioner(s) named below:					
Name			Registration	Number	
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as my/our attomey(s) or agent(s) to prosecu Trademark Office connected therewith.	te the application identified above, a	and to tran	sact all business	in the United St	ates Patent and
Please recognize or change the corresponde	ence address for the above identific	d applicati	·		
		о аррисан	ion to:		
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Address					
City		State		Zip	
Country '					
Telephone I <u>am</u> the:		Fax			
Applicant/Inventor.					
X Assignee of record of the entire inte	erest. See 37 CFR 3.71.			•	
Statement under 37 CFR 3.73(b) is	enclosed. (Form PTO/SB/96)				
	SIGNATURE of Applicant or Ass	ignee of F	Record		
Name Mark L. Rodgers					
Date 2 November 2002	<u> </u>				
1 3 November 2003			Telephone	610-481-88	17
NOTE: Signatures of all the inventors or assignees forms if more than one signature is required, see be	of record of the entire interest or their re alow*.	presentative	e(s) are required. S	ubmit multiple	
*Total of 1 forms are sub	omitted.				

This collection of information is required by 37 CFR 1.31 and 1.33. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 3 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissi ner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

PTO/SB/96 (08-00)

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STATEMENT UNDER 37 CFR 3.73(b)

MON 0 2 50003

Applicant/Pat nt Own r: Bing Ji, et al.	
Application No./Patent No.: 10/619,922	Filed/Issue Date: 15 July 2003
Entitled: Use of Hypofluorites, Fluoroperoxides, ar	
Air Products and Chemicals, Inc. , a corpor	ation
(Name of Assignee) (Type of As	ssignee, e.g., corporation, partnership, university, government agency, etc.)
states that it is:	
1. X the assignee of the entire right, title, and interest	* or
2. \square an assignee of less than the entire right, title and	
The extent (by, percentage) of its ownership inte	rest is%
in the patent application/patent identified above by virtu	ue of either:
A. [x] An assignment from the inventor(s) of the patent was recorded in the United States Patent and Trushich a copy thereof is attached.	application/patent identified above. The assignment rademark Office at Reel, Frame, or for
OR	
B. [] A chain of title from the inventor(s), of the patent assignee as shown below:	
1. From:	
	, or for which a copy thereof is attached.
2. From:	To:
The document was recorded in the United Reel, Frame	States Patent and Trademark Office at, or for which a copy thereof is attached.
	Го:
The document was recorded in the United S	States Patent and Trademark Office at, or for which a copy thereof is attached.
[] Additional documents in the chain of title ar	re listed on a supplemental sheet.
] Copies of assignments or other documents in the ch [NOTE: A separate copy (i.e., the original assignment must be submitted to Assignment Division in accordance recorded in the records of the USPTO. See MPEP 3	nt document or a true copy of the original document) ance with 37 CFR Part 3, if the assignment is to be
The undersigned (whose title is supplied below) is autho	rized to act on behalf of the assignee.
3 November 2003	Mark L. Rodgers
Date	Typed or printed name
	Signature
•	Assistant General Counsel, Patents
	Title

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ASSIGNMENT

For value received, we, Bing Ji, Stephen Andrew Motika, Robert George Syvret, Peter R. Badowski, Eugene Joseph Karwacki, Jr., Howard Paul Withers, Jr., and Ronald Martin Pearlstein, hereby sell, assign, and transfer to **AIR PRODUCTS AND CHEMICALS, INC.**, a corporation of the State of Delaware, having an office at 7201 Hamilton Boulevard, Allentown, PA 18195-1501, the entire right, title, and interest in and to the invention relating to

USE OF HYPOFLUORITES, FLUOROPEROXIDES, AND/OR FLUOROTRIOXIDES AS OXIDIZING AGENT IN FLUOROCARBON ETCH PLASMAS

described in our application for Letters Patent of the United States (identified by Docket No. 06347 USA) executed of even date herewith, in and to all Letters Patent which may be issued upon said application, in and to any divisional or reissue applications based thereon, and in and to all Letters Patent upon said invention or improvements which may be granted in foreign countries. We hereby also assign and convey to said **AIR PRODUCTS AND CHEMICALS**, **INC.**, all the rights accruing to us by virtue of the International Convention for the Protection of Industrial Property (Art. 4), including the right to apply for and to have patents issued in its own name.

And we hereby authorize and request the Commissioner of Patents and Trademarks of the United States and the Officials of the Patent Offices of all other countries to issue the Letters Patent of their respective countries to said **AIR PRODUCTS AND CHEMICALS, INC.**, as assignee of the entire right, title, and interest in and to the same.

And we hereby promise and agree to execute all papers and perform all acts necessary to secure to and vest in said **AIR PRODUCTS AND CHEMICALS, INC.**, its successors and assigns, the rights conveyed as herein set forth.

	• •	•	\bigcirc \land \land \land
	Bing Ji	(L.S.)	Stephen Andrew Motika Stephen Andrew Motika
	21 July, 2003	_	17 Tuy 03 Date
	Petert George Syvret	_(L.S.)	Peter R. Badowski
	July 22, 2003 Date	_	7/17/03 Date
Æ	Eugene Joseph Karwacki, sp.	_(L.S.)	Hovand Paul Withers, Jr.
_	Eugene Joséph Karwacki, df. 2013 Date		7/17/03
	Msh/Matu/ev Ronald Martin Pearlstein	_(L.S.)	
	21 July 2003 Date	_	